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IN THE UNITED STATES PATENT OFFICE

Applicants: Paul T. Sasaki et al.
Assignee: Xilinx, Inc.
Title: Network Physical Layer with Embedded Multi-Standard CRC Generator
Serial No.: 10/090,519 Filing Date: 03/01/2002
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02 FC:1201 168.00 CH

PRELIMINARY AMENDMENT

Before taking action in the above-referenced case, please make the following amendments to the claims.

IN THE CLAIMS

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Please add Claims 37-45 as follows:

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37. (New) A system, comprising:
a network; and
a transmitter coupled to the network and adapted to transmit a data frame to the network, the transmitter comprising a physical layer implemented in hard logic and a link layer implemented using programmable logic, the link layer being coupled between the physical layer and the network, the physical layer comprising:

a data node adapted to receive a data packet, the data packet including at least a portion of the data frame; and
a CRC generator adapted to perform a CRC on at least a portion of the data frame to provide a CRC value and to insert the CRC into the data packet.